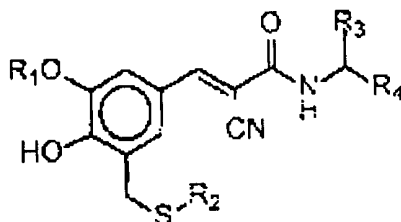


CLAIMS

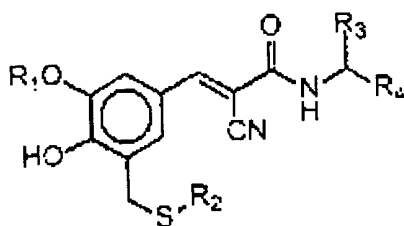
1. (Original): A compound of the general formula:



wherein

- R_1 is H or C1 to C3 alkyl;
 R_2 is aryl or $-(CH_2)_n-$ aryl and n is 1 to 4;
 R_3 is H or CH_3 ; and
 R_4 is substituted or unsubstituted phenyl, pyridyl, thiophene, furan, indole, pyrrole, thiazole or imidazole.
2. (Original): A compound in accordance with claim 1 wherein
 R_1 is H, methyl or ethyl;
 R_2 is phenyl, benzyl, $-(CH_2)_2$ -phenyl, $-(CH_2)_3$ -phenyl or 2-thiobenzothiazole;
 R_3 is H; and
 R_4 is phenyl.
3. (Original): A compound in accordance with claim 1 wherein the compound is N-benzyl-2-cyano-3-(4'-hydroxy-3'-methoxy-5'-methylene thiobenzyl phenyl) acrylamide.
4. (Original): A compound in accordance with claim 1 wherein the compound is N-benzyl-cyano-3-(3'-ethoxy-4'-hydroxy-5'-methylene thiophenyl phenyl) acrylamide.
5. (Original): A compound in accordance with claim 1 wherein the compound is N-benzyl-2-cyano-3-(3',4'-dihydroxy-5'-methylene (2'-thiobenzothiazole) phenyl) acrylamide.

6. (Original): A compound in accordance with claim 1 wherein the compound is N-benzyl-2-cyano-3-(3',4'-dihydroxy-5'-methylene thiobenzyl phenyl) acrylamide.
7. (Original): A compound in accordance with claim 1 wherein the compound is N-benzyl-2-cyano-3-(3',4'-dihydroxy-5'-methylene thiophenyl phenyl) acrylamide.
8. (Original): A compound in accordance with claim 1 wherein the compound is N-benzyl-2-cyano-3-(4'-hydroxy-3'-methoxy-5'-(methylene thioethyl phenyl) phenyl) acrylamide.
9. (Original): A compound in accordance with claim 1 wherein the compound is N-benzyl-2-cyano-3-(4'-hydroxy-3'-methoxy-5'-(methylene thiopropyl phenyl) phenyl) acrylamide.
10. (Original) A compound in accordance with claim 1 wherein the compound is N-benzyl-2-cyano-3-(3',4'-dihydroxy-5'-(methylene thioethyl phenyl) phenyl) acrylamide.
11. (Original) A compound in accordance with claim 1 wherein the compound is N-benzyl-2-cyano-3-(3',4'-dihydroxy-5'-(methylene thiopropyl phenyl) phenyl) acrylamide.
12. (Original) A pharmaceutical composition comprising a compound of the formula:



wherein

R_1 is H or C1 to C3 alkyl;

R_2 is aryl or $-(CH_2)_n-$ aryl and n is 1 to 4;

R_3 is H or CH_3 ; and

R_4 is substituted or unsubstituted phenyl, pyridyl, thiophene, furan, indole, pyrrole, thiazole or imidazole

and a pharmaceutically acceptable carrier.

13. (Original) A pharmaceutical composition in accordance with claim 12 comprising a compound of formula 1, wherein

R₁ is H, methyl or ethyl;

R₂ is phenyl, benzyl, -(CH₂)₂-phenyl, -(CH₂)₃-phenyl or 2-thiobenzothiazole;

R₃ is H; and

R₄ is phenyl.

14. (Original) A pharmaceutical composition in accordance with claim 12 wherein the compound is N-benzyl-2-cyano-3-(4'-hydroxy-3'-methoxy-5'-methylene thiobenzyl phenyl) acrylamide.

15. (Original) A pharmaceutical composition in accordance with claim 12 wherein the compound is N-benzyl-2-cyano-3-(3'-ethoxy-4'-hydroxy-5'-methylene thiophenyl phenyl) acrylamide.

16. (Original) A pharmaceutical composition in accordance with claim 12 wherein the compound is N-benzyl-2-cyano-3-(3',4'-dihydroxy-5'-methylene (2'-thiobenzothiazole) phenyl) acrylamide.

17. (Original) A pharmaceutical composition in accordance with claim 12 wherein the compound is N-benzyl-2-cyano-3-(3',4'-dihydroxy-5'-methylene thiobenzyl phenyl) acrylamide.

18. (Original) A pharmaceutical composition in accordance with claim 12 wherein the compound is N-benzyl-2-cyano-3-(3',4'-dihydroxy-5'-methylene thiophenyl phenyl) acrylamide.

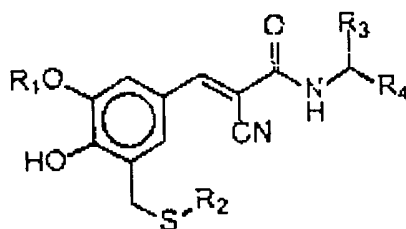
19. (Original) A pharmaceutical composition in accordance with claim 12 wherein the compound is N-benzyl-2-cyano-3-(4'-hydroxy-3'-methoxy-5'-(methylene thioethyl phenyl) phenyl) acrylamide.

20. (Original) A pharmaceutical composition in accordance with claim 12 wherein the compound is N-benzyl-2-cyano-3-(4'-hydroxy-3'-methoxy-5'-(methylene thiopropyl phenyl) phenyl) acrylamide.

21. (Original) A pharmaceutical composition in accordance with claim 12 wherein the compound is N-benzyl-2-cyano-3-(3',4'-dihydroxy-5'-(methylene thioethyl phenyl) phenyl) acrylamide.

22. (Original) A pharmaceutical composition in accordance with claim 12 wherein the compound is N-benzyl-2-cyano-3-(3',4'-dihydroxy-5'-(methylene thiopropyl phenyl) phenyl) acrylamide.

23. (Original) A method for treating a neoplastic disorder in a mammal comprising administering to the mammal an effective amount of a compound of the formula:



wherein

R_1 is H or C1 to C3 alkyl;

R_2 is aryl or $-(CH_2)_n-$ aryl and n is 1 to 4;

R_3 is H or CH_3 ; and

R_4 is substituted or unsubstituted phenyl, pyridyl, thiophene, furan, indole, pyrrole, thiazole or imidazole.

24. (Original) A method in accordance with claim 23 comprising administering an effective amount of a compound of formula 1 wherein

R_1 is H, methyl or ethyl;

R₂ is phenyl, benzyl, -(CH₂)₂-phenyl, -(CH₂)₃-phenyl or 2-thiobenzothiazole;

R₃ is H; and

R₄ is phenyl.

25. (Original) A method in accordance with claim 23 wherein the compound is N-benzyl-2-cyano-3-(4'-hydroxy-3'-methoxy-5'-methylene thiobenzyl phenyl) acrylamide.

26. (Original) A method in accordance with claim 23 wherein the compound is N-benzyl-2-cyano-3-(3'-ethoxy-4'-hydroxy-5'-methylene thiophenyl phenyl) acrylamide.

27. (Original) A method in accordance with claim 23 wherein the compound is N-benzyl-2-cyano-3-(3',4'-dihydroxy-5'-methylene (2'-thiobenzothiazole) phenyl) acrylamide.

28. (Original) A method in accordance with claim 23 wherein the compound is N-benzyl-2-cyano-3-(3',4'-dihydroxy-5'-methylene thiobenzyl phenyl) acrylamide.

29. (Original) A method in accordance with claim 23 wherein the compound is N-benzyl-2-cyano-3-(3',4'-dihydroxy-5'-methylene thiophenyl phenyl) acrylamide.

30. (Original) A method in accordance with claim 23 wherein the compound is N-benzyl-2-cyano-3-(4'-hydroxy-3'-methoxy-5'-(methylene thioethyl phenyl) phenyl) acrylamide.

31. (Original) A method in accordance with claim 23 wherein the compound is N-benzyl-2-cyano-3-(4'-hydroxy-3'-methoxy-5'-(methylene thiopropyl phenyl) phenyl) acrylamide.

32. (Original) A method in accordance with claim 23 wherein the compound is N-benzyl-2-cyano-3-(3',4'-dihydroxy-5'-(methylene thioethyl phenyl) phenyl) acrylamide.

33. (Original) A method in accordance with claim 23 wherein the compound is N-benzyl-2-cyano-3-(3',4'-dihydroxy-5'-(methylene thiopropyl phenyl) phenyl) acrylamide.

34. (Previously amended): A method in accordance with claim 23 wherein the neoplastic disorder is a lymphoma, a leukemia or a metastatic carcinoma.

35. (Previously amended): A method in accordance with claim 34 wherein the neoplastic disorder is Acute Lymphoblastic Leukemia.

36. (Previously amended): A method for treating a cell proliferative disorder in a mammal comprising administering to the mammal an effective amount of a compound in accordance with claim 1.

37. (Original) A method in accordance with claim 36 wherein the cell proliferative disorder is selected from the group consisting of an inflammatory disorder, an allergic disorder, an autoimmune disease or graft rejection.